BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	**Particulars**	**Unit**	**Total Qty**	**Material code**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**25**	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**9**	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**21**	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	**57**	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**66**	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**41**	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**5.25**	284108
8	Supply & Providing of Spiral Earth Electrode	No	**48**	281683
9	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**3**	CDS 46
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**10**	304212
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**3**	280149
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**9**	280013
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**5**	302011
14	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**1**	278916
15	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**3**	CDS materials for General works
16	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**3**	321438
17	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**21**	281674+600095+607054, CDS 60
18	Supply & providing of GI wire 8SWG	kg	**35**	281008
19	Supply & providing of Guy wire 7/10SWG	kg	**30**	281110
20	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**3**	303202, CDS 60
21	Supply & providing of LT Protection kit	No	**9**	301107
22	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**3**	
	i) Al Lead Wire - 95 Sqmm	Mtr	**105**	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**11**	288531

	iii) PG Clamp - Rabbit to 95 Sqmm	No	**14**	285508, CDS 60
	iv) Spacer for DTC Wiring	No	**24**	284503
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**7**	280800+280511, CDS 60
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**3**	CDS 39
23	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**7**	302122
24	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**35**	613050
25	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**77**	278911
26	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	**7**	821900
27	Supply & Erection of 9M PSCC pole WL 300Kg	No	**4**	200005
28	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**4**	280119, CDS materials for General works
29	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**4**	321437
30	Supply & providing of Guy wire 7/10SWG	kg	**40**	281110
31	Supply & providing of 11kV lightning arrestors, polymer Type, 9kV 5kA(Set=3No)	Set	**4**	303202, CDS 60
32	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**4**	
33	Aluminium lead wire 50 sqmm	Mtr	**100**	289031
34	Heavy duty long barrel copper lugs- 50 sqmm	No	**15**	288531
35	P.G Clamps - Rabbit to 50 sq.mm	No	**18**	285508, CDS 63
36	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**14**	280800+280511, CDS 63
37	Spacers for DTC wiring	No	**27**	284503
38	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**4**	CDS 39
39	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**22**	200004
40	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**22**	280014, CDS materials for General works
41	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	**2**	280012, CDS materials for General works
42	1.1 kV Pin Insulator with GI Pin	No	**12**	283053, CDS 5
43	No. 8 Strain Insulator	No	**20**	283158
44	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**11**	CDS materials for General works
45	Rabbit ACSR Conductor	KM	**2.3**	284108
46	Weasel ACSR Conductor	KM	**0**	CDS 69
47	Guy concreting with Boulders, Mud and Sand	No	**4**	0

48	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps Meter & 50/5A CT including wiring	No	**2**	CDS 69
49	PVC Pipe 40 mm Dia	Mtr	**22**	CDS 69
50	PVC Insulated wire 25 Sqmm Single Core Multi Stranded	Mtr	**34**	CDS 69
51	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	**KMs**	**1.17**	CDS 37
52	Three Phase Distribution box for 6 Connections	No's	**2**	CDS 37
53	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	**24**	CDS 37
54	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Street Light Connections	No's	**0**	CDS 37
55	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	**20**	CDS 37
56	Pole clamp for HT/LT AB cable	Sets	**14**	CDS 37
57	Eye Hook (Flat type) for fixing Clamps	Sets	**16**	CDS 37
58	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	**8**	CDS 37
59	Universal Hook, Bolts & nuts	No's	**14**	CDS 37
60	T-connector KZ3 95	No's	**4**	CDS 37
61	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	**5**	CDS 37
62	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	**15**	CDS 37
63	End cap for 50/70 Sqmm	No's	**13**	CDS 37
64	Guy Concreting with Mud, Boulders & Sand	Sets	**6**	CDS 37
65	PVC Insulated wire 16/25 Sqmm	Mtrs	**10**	CDS 37

PART-II ERECTION PORTION			
SL No	**Particulars**	**Unit**	**Total Qty**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**25**
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**9**
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**21**
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**41**
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**5.25**
6	Supply & Providing of Spiral Earth Electrode	No	**48**
7	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**3**
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**10**
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**3**
10	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**9**
11	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**5**
12	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**1**
13	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**3**
14	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**3**
15	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**21**
16	Supply & providing of 11kV lightning arrestors, poliymer Type,9kV 5 kA (Set=3No)	Set	**3**
17	Supply & providing of LT Protection kit	No	**9**
18	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		**3**
	i) Al Lead Wire - 95 Sqmm	Mtr	**105**
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**11**
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**14**
	iv) Spacer for DTC Wiring	No	**24**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**7**
	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**3**

19	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**7**
20	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**35**
21	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**77**
22	Supply & Erection of 9M PSCC pole WL 300Kg	No	**4**
23	Supply & Erection of Single Pole Mounted Transformer kit for 25 kVA on 9 mtr PSCC Poles of 300kG WL --GI with H-frame	Set	**4**
24	Supply & Erection of 11kV/433V, 25 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**4**
25	Supply & providing of 11kV lightning arrestors, polymer Type, 9kV 5kA(Set=3No)	Set	**4**
26	Supply & providing of LT wiring (from 25 KVA DTC to LT line)		**4**
	Aluminium lead wire 50 sqmm	Mtr	**100**
	Heavy duty long barrel copper lugs- 50 sqmm	No	**15**
	P.G Clamps - Rabbit to 50 sq.mm	No	**18**
	Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**14**
	Spacers for DTC wiring	No	**27**
	LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**4**
27	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No	**22**
28	LT 4 Pin Cross Arm with clamps, bolts, nuts and washers for PSCC Pole - 8 Mtr Long, 200 Kg WL-GI	Set	**22**
29	LT 2 Pin Cross Arm with clamps, bolts, nuts for PSCC Pole - 8 Mtr Long, 200 Kg WL- GI	Set	**2**
30	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Set	**11**
31	Rabbit ACSR Conductor	KM	**2.3**
32	Guy concreting with Boulders, Mud and Sand	No	**4**
33	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 5-30 Amps Meter & 50/5A CT including wiring	No	**2**
34	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	**KMs**	**1.17**
35	Three Phase Distribution box for 6 Connections	No's	**2**
36	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	**24**
37	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	**20**
38	Pole clamp for HT/LT AB cable	Sets	**14**
39	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	**8**
40	Universal Hook, Bolts & nuts	No's	**14**

41	T-connector KZ3 95	No's	**4**
42	Cable Straight thru' joint kits suitable for 95 Sqmm	Sets	**5**
43	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	**15**
44	End cap for 50/70 Sqmm	No's	**13**
45	Guy Concreting with Mud, Boulders & Sand	Sets	**6**